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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,853	08/22/2003	Yoshinori Kataoka 03		8139
	7590 03/14/200 , KRATZ, QUINTOS,	EXAMINER		
1725 K STREE		FRIEDHOFER, MICHAEL A		
SUITE 1000 WASHINGTON	N, DC 20006	ART UNIT	PAPER NUMBER	
	•	2832		
SHORTENED STATUTORY	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS 03/14/2007 PAPER				ER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Appl	ication No.	Applicant(s)				
Office Action Summary		10/6	45,853	KATAOKA ET AL	KATAOKA ET AL.			
		Exan	niner	Art Unit				
		Micha	ael A. Friedhofer	2832				
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MINIORS of time may be available under the provisions SIX (6) MONTHS from the mailing date of this common period for reply is specified above, the maximum state to reply within the set or extended period for reply reply received by the Office later than three months are patent term adjustment. See 37 CFR 1.704(b).	AILING DATE O of 37 CFR 1.136(a). In nunication. atutory period will apply will, by statute, cause the	F THIS COMMUNION no event, however, may a rand will expire SIX (6) MON ne application to become AB	CATION. eply be timely filed ITHS from the mailing date of this c BANDONED (35 U.S.C. § 133).				
Status								
1)	Responsive to communication(s) file	ed on .						
2a) <u>□</u>		2b)⊠ This action	is non-final.					
′=	Since this application is in condition	<i>,</i> —		ers, prosecution as to the	e merits is			
,	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)	Claim(s) 1-19 is/are pending in the a	ipplication.						
	4a) Of the above claim(s) <u>17-19</u> is/are withdrawn from consideration.							
	5) Claim(s) is/are allowed.							
6)🖂	6) Claim(s) 1-16 is/are rejected.							
7)	7) Claim(s) is/are objected to.							
8)	Claim(s) are subject to restrict	tion and/or electi	ion requirement.					
Application Papers								
9)□	The specification is objected to by the	e Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
Attachmen	t(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date								
	e of Draftsperson's Patent Drawing Review (P mation Disclosure Statement(s) (PTO/SB/08)	10-948)		nformal Patent Application				
Paper No(s)/Mail Date <u>10/21/04</u> . 6) Other:								

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## **DETAILED ACTION**

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## Claim Rejections - 35 USC § 112

1. Claims 1-16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, lines 7-8 it is unclear what the connection or what structure is between the rotation-detecting section and the operation unit in order to perform the function claimed making the claim indefinite.

In claim 3, line 2 replace "which" with --, the--.

In claim 3, line 3 "the direction" has no antecedent basis.

In claim 3, line 3 it is unclear how the "top plate" may be depressable. There does not appear to be any structure allowing this operation.

In claim 3, line 4 "its lower face" has no antecedent basis.

In claim 4, line 4 replace "slide in" with -slide within--.

In claim 5, line 5 replace "slide in" with -slide within--.

In claim 8, lines 1 and 2 "the top plate" has no antecedent basis.

In claim 9, a first gear needs to be claimed prior to a second gear being claimed, not the other way around.

In claim 9, line 4 "the circumferential surface" has no antecedent basis.

In claim 9, line 4 "the guide rib" has no antecedent basis.

In claim 11, line 2 replace "the same" with -the operation unit--.

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In claim 11, line 4 it is unclear whether these rollers are the same ones as those already claimed or are separate and distinct rollers.

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In claim 11, line 4 it is unclear to what element "the same" is referring.

In claim 12, line 2 replace "the same" with -the operation unit--.

In claim 12, line 4 it is unclear whether these rollers are the same ones as those already claimed or are separate and distinct rollers.

In claim 12, line 4 it is unclear to what element "the same" is referring.

In claim 14, line 2 "the inner circumference" has no antecedent basis.

In claim 14, line 4 prior to "axial" insert -an--.

In claim 15, line 2 replace "the same" with -the annular cover--.

In claim 16, lines 2-3 "the same" has no antecedent basis.

In claim 16, line 3 "the turntable" has no antecedent basis.

## Allowable Subject Matter

- 2. Claim 1 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.
- 3. Claims 2-16 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.
- 4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. LaWarre et al, Kitzmann, Durbin et al, Elsasz, Houdeshell, Spinner, Fujii, Takizawa et al, Brown et al, and Hanahara et al teach various rotary structures having a sensor or switch sensing a rotation.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael A. Friedhofer whose telephone number is 571-272-1992. The examiner can normally be reached on Mon-Fri 6:00 - 2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000

Michael A. Friedhofer Primary Examiner

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maf